

FIG 1

(PRIOR ART)

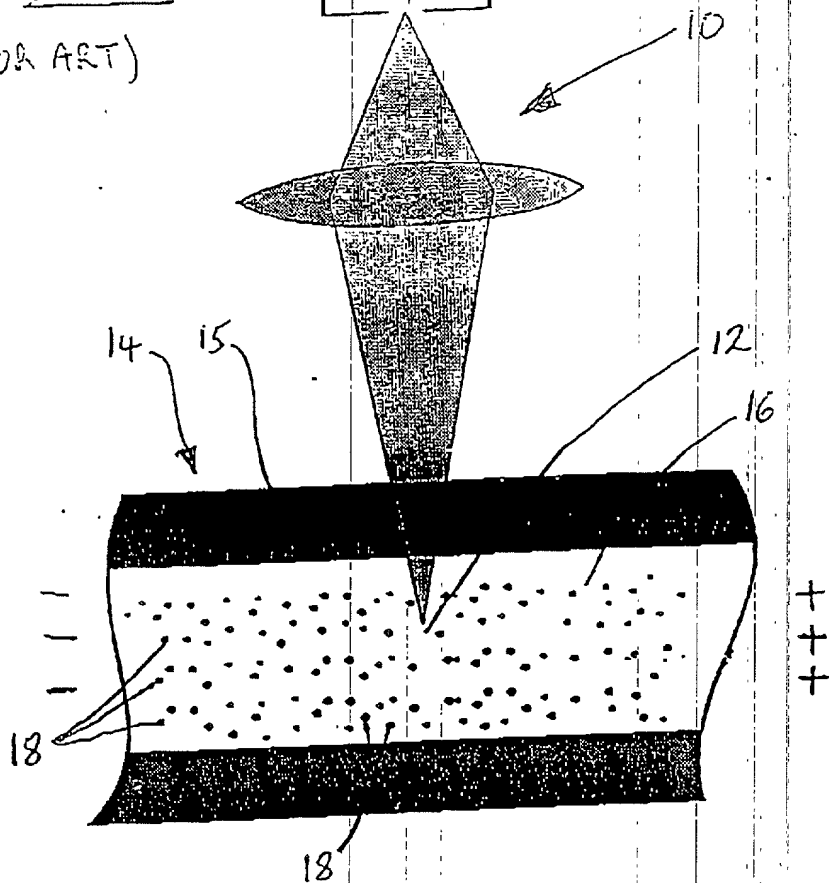
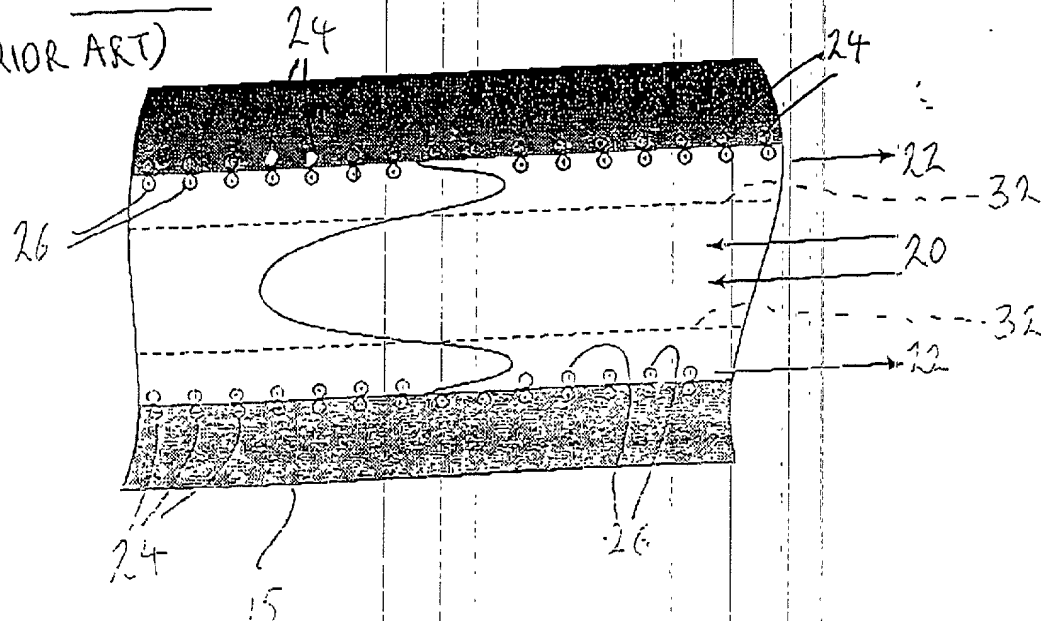


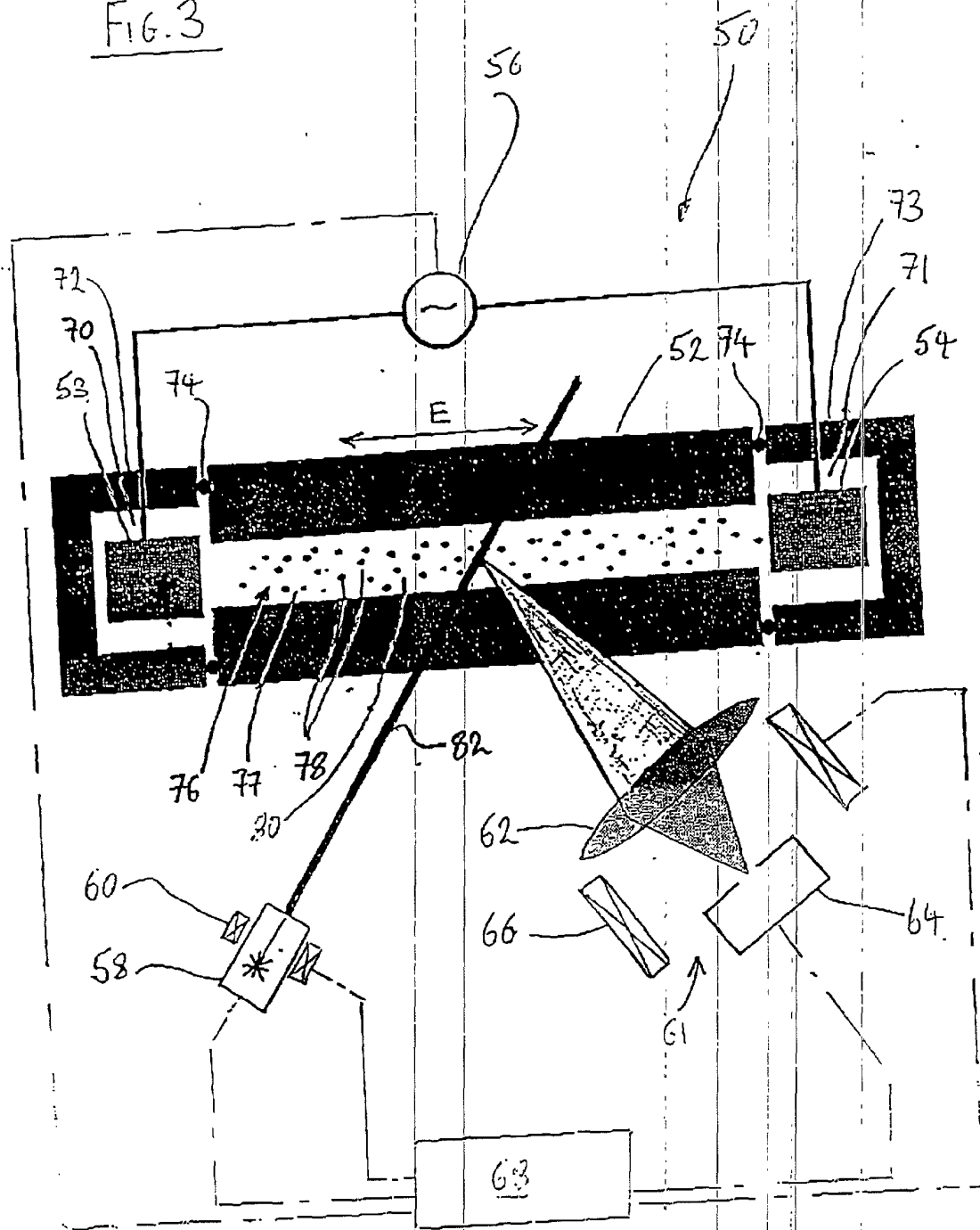
FIG 2

(PRIOR ART)



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FIG. 3

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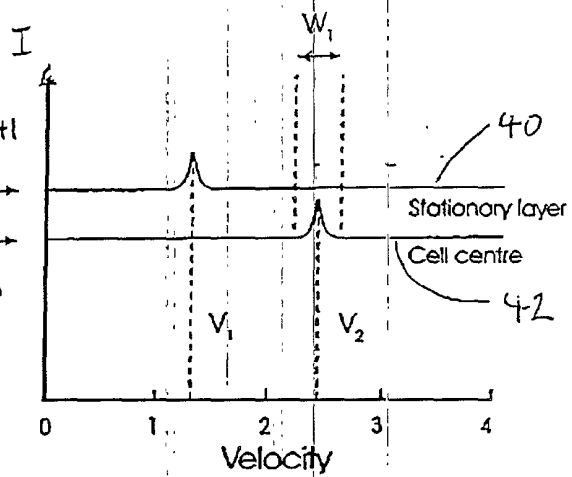
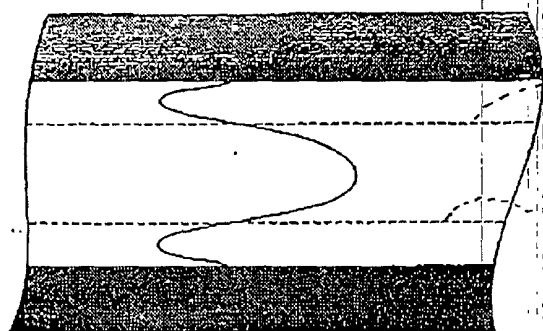
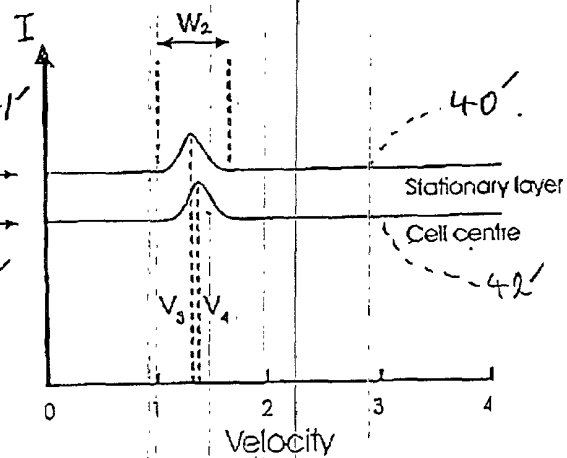
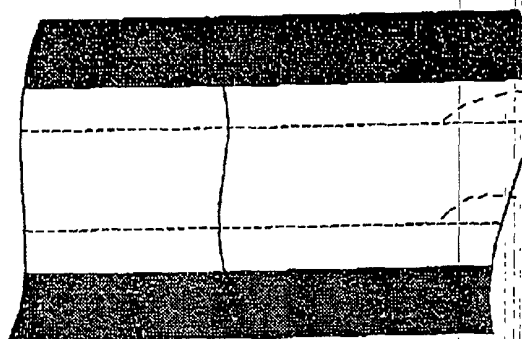
FIG. 4FIG. 5

FIG. 6

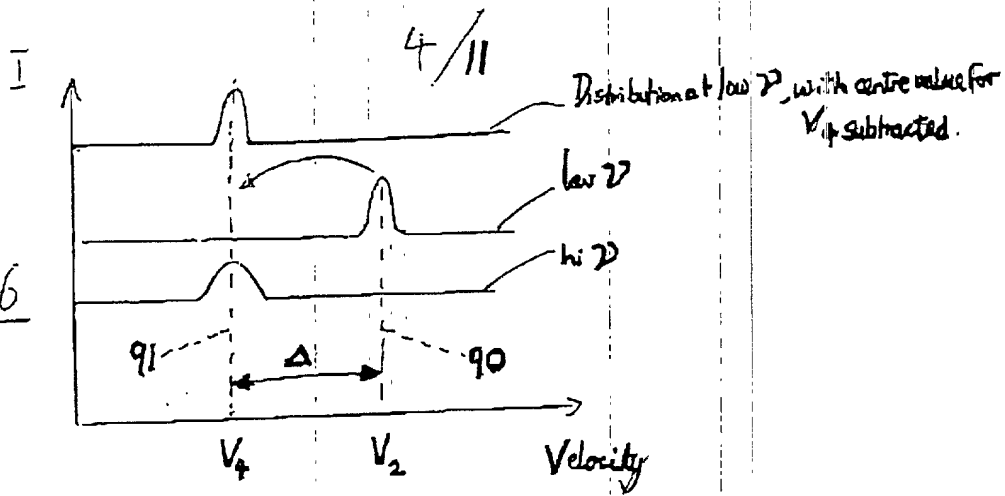


FIG. 7

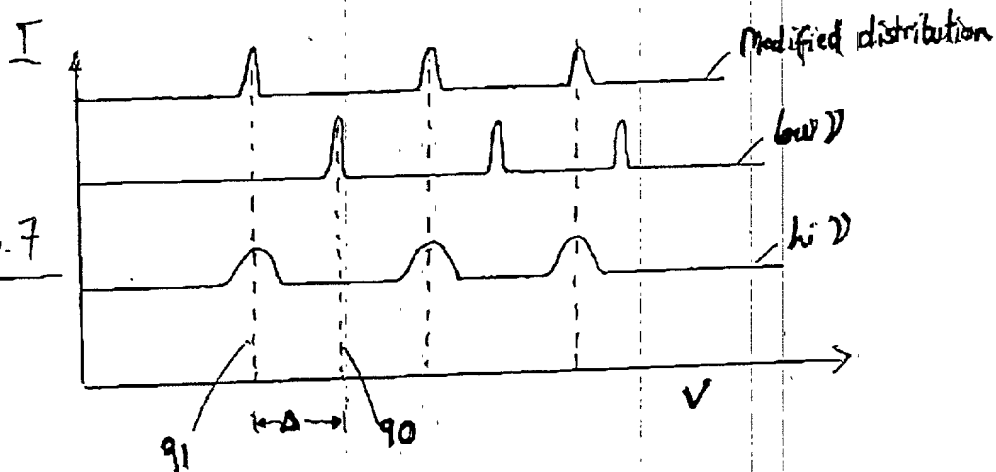
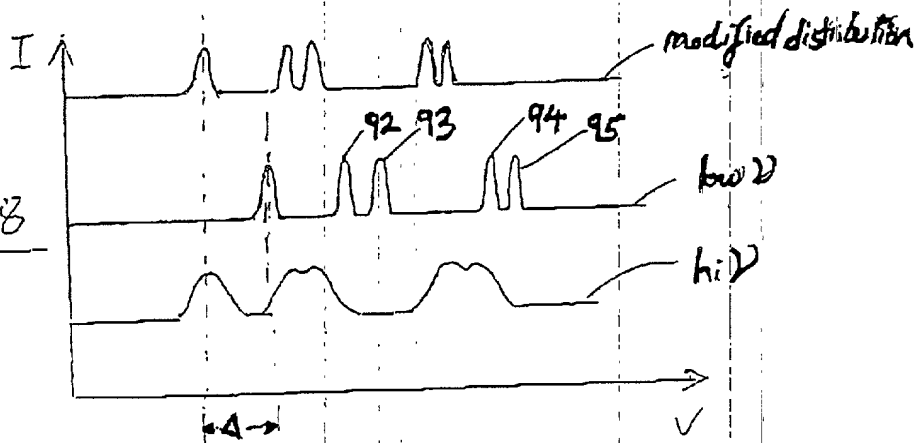
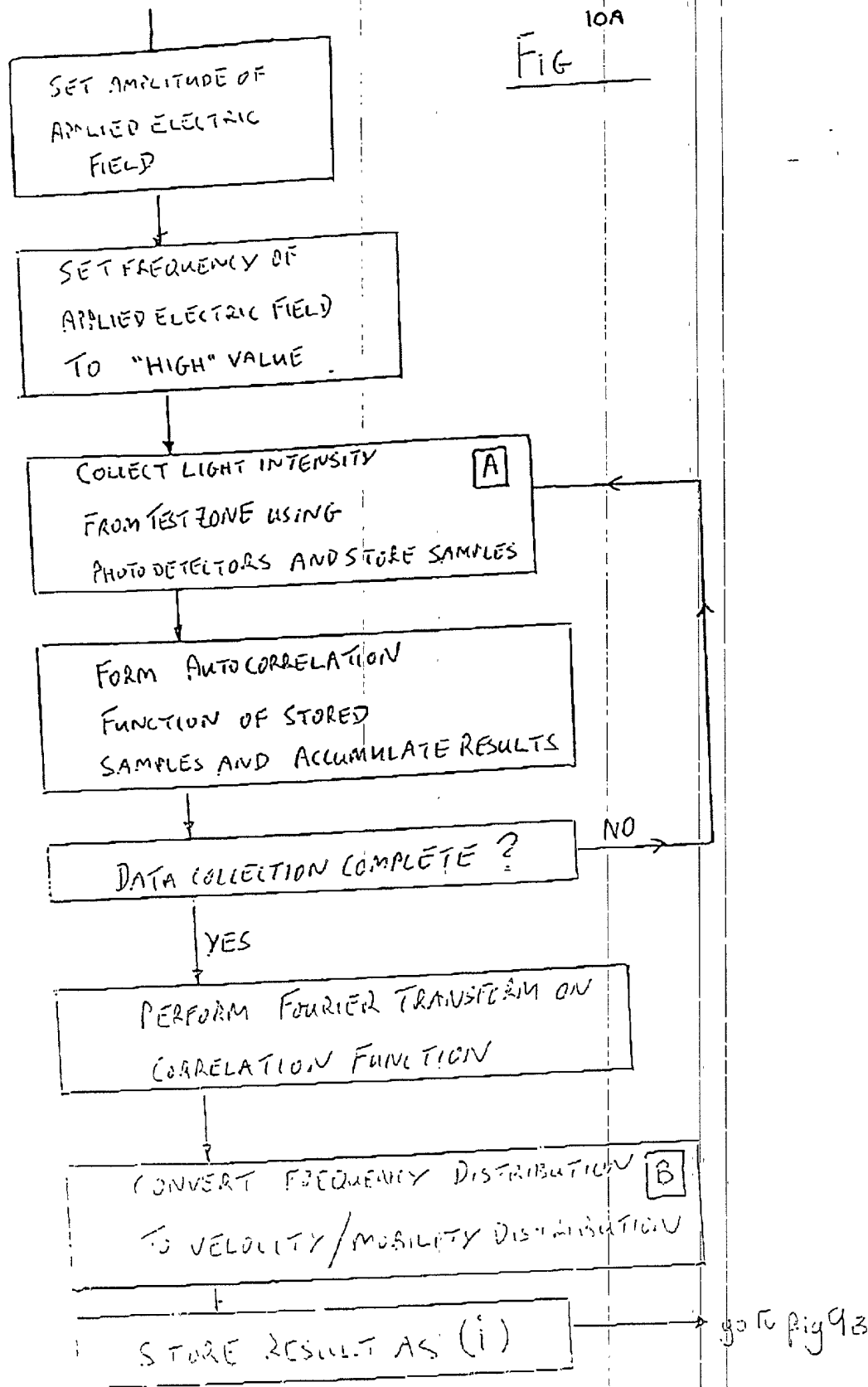


FIG. 8



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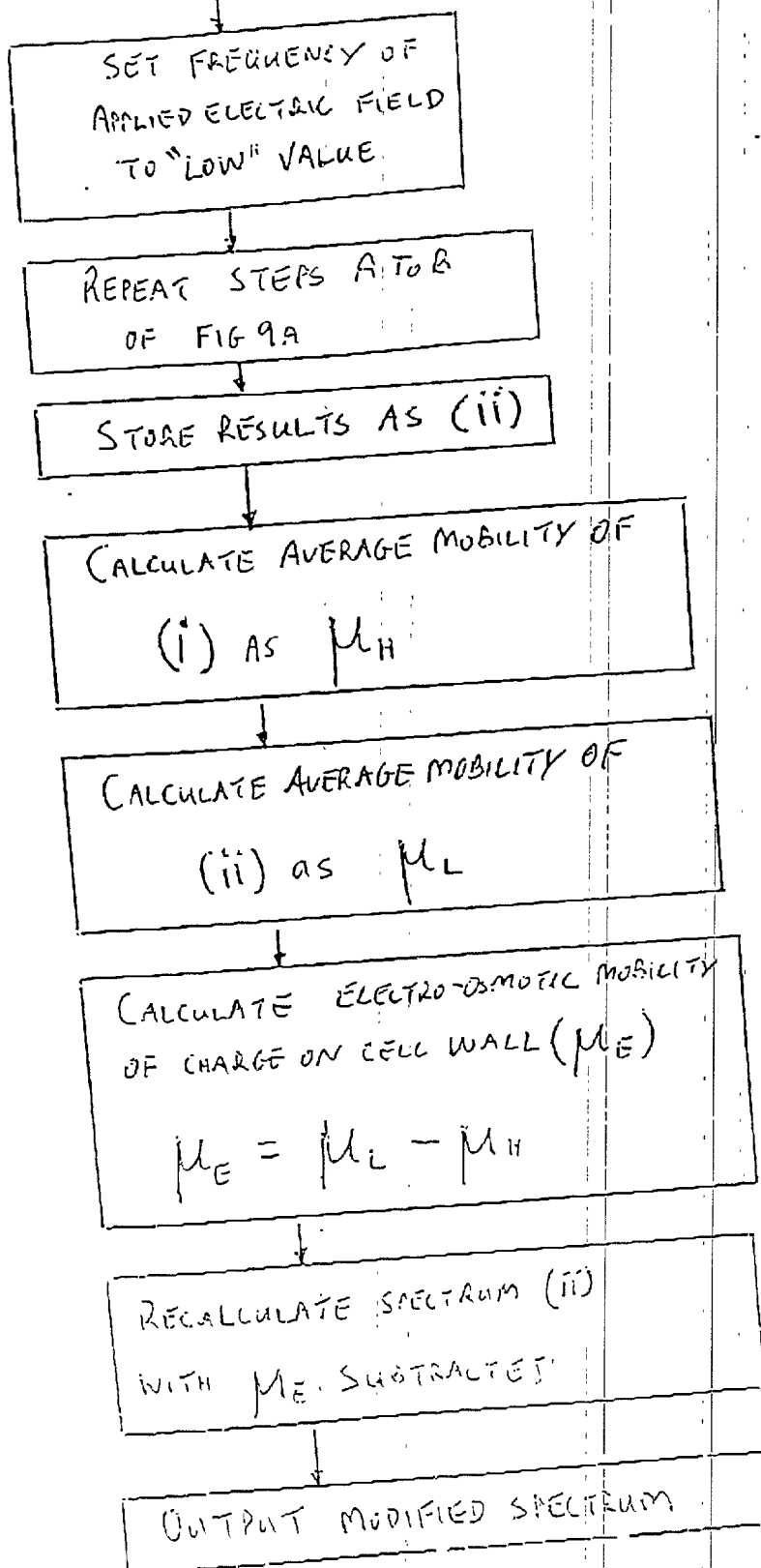
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10A
Fig

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FIG 10B

FROM FIG 9A



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Fig 11EQUATIONS

$$a) \text{ Mobility } \mu = \frac{\text{Velocity of Particle (V)}}{\text{Electric field (E)}}$$

$$b) \quad \bar{\mu} = \frac{\int_{-\infty}^{+\infty} \mu f(\mu) d\mu}{\int_{-\infty}^{+\infty} f(\mu) d\mu}$$

where $f(\mu)$ = mobility spectra

$$c) \quad \text{electroosmotic mobility } \mu_E = \bar{\mu}_L - \bar{\mu}_H$$

where μ_L = particle mobility at low frequency applied electric field.

and μ_H = particle mobility at high frequency applied electric field.

$$d) \quad f'(\mu) = f_H(\mu + \mu_E)$$

where $f'(\mu)$ is the corrected form of the particle mobility distribution function

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FIG 12A

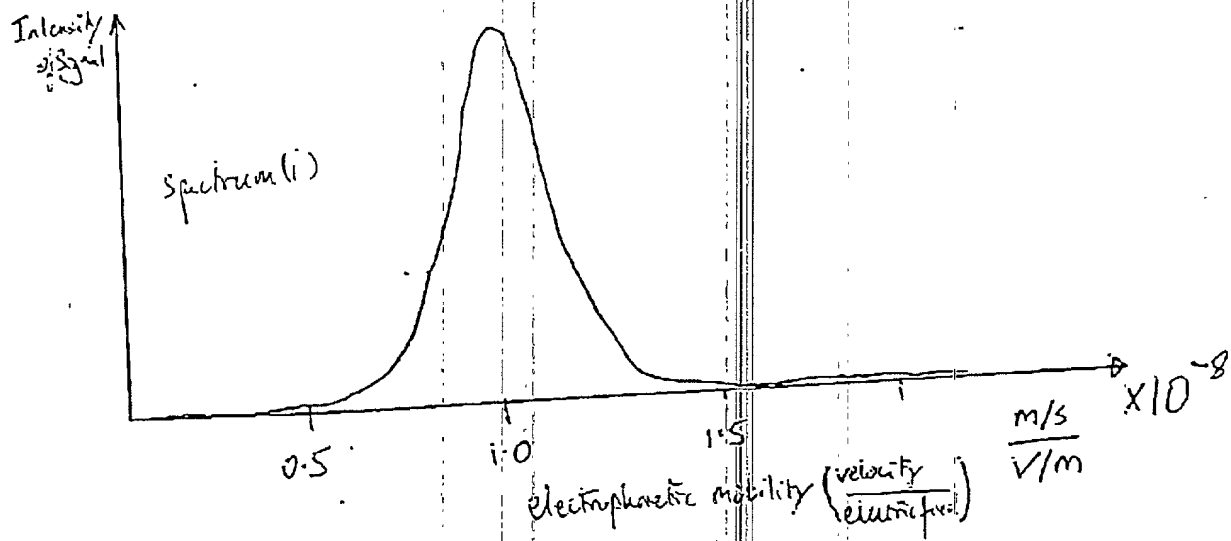
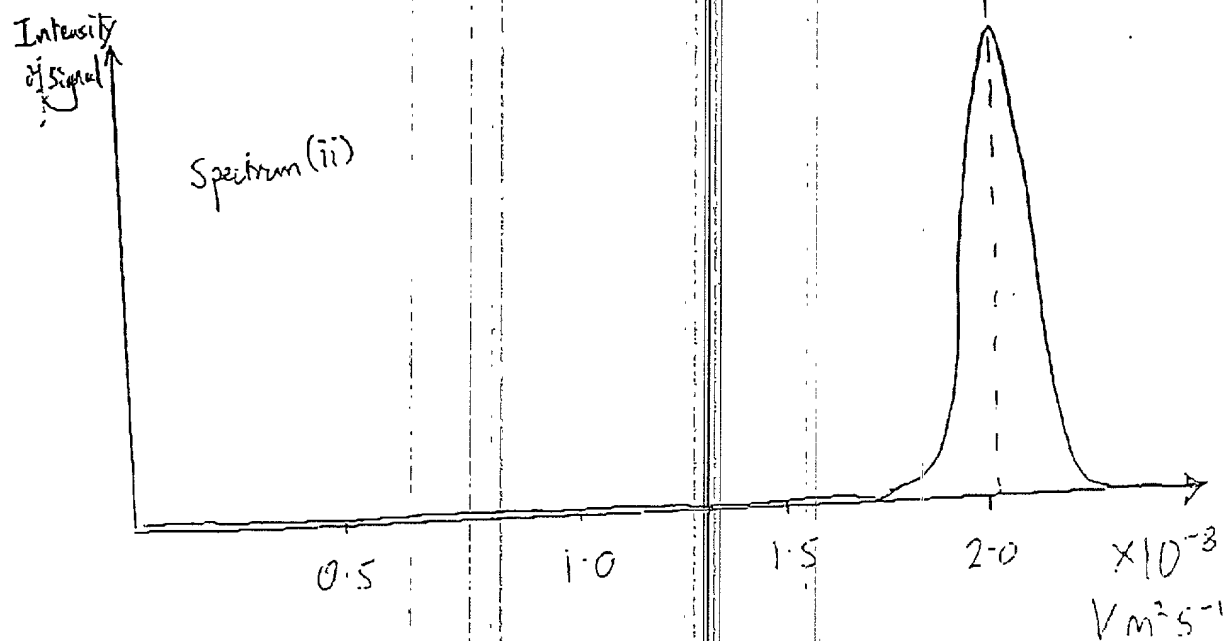


FIG 12B



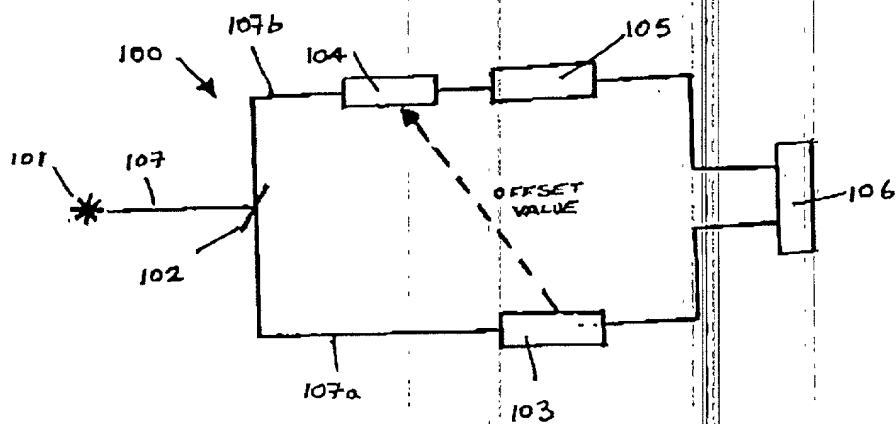
$$9\sqrt{11}$$


Figure 9

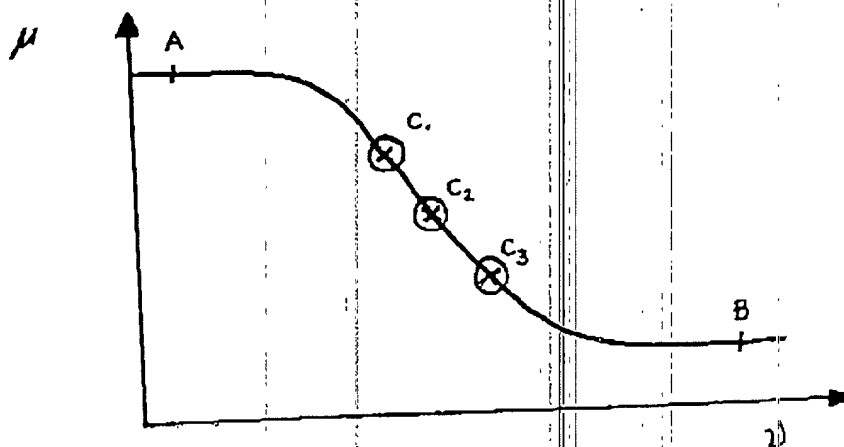


Figure 13

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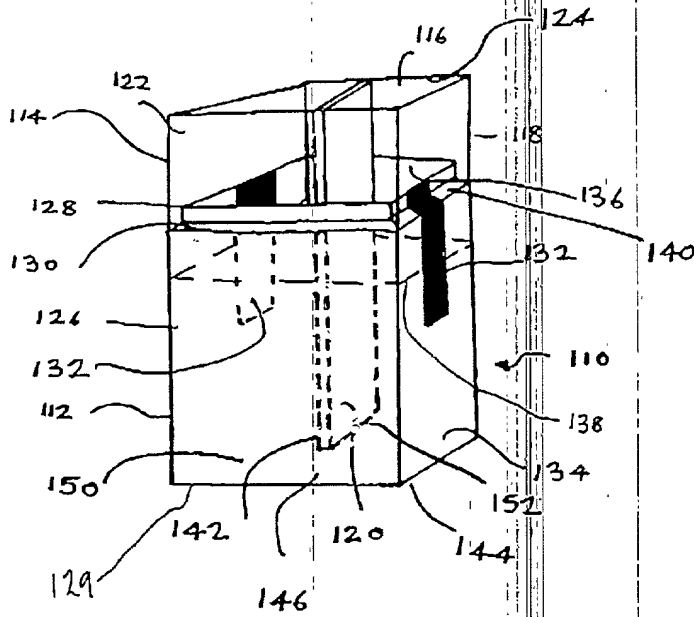


Figure 14

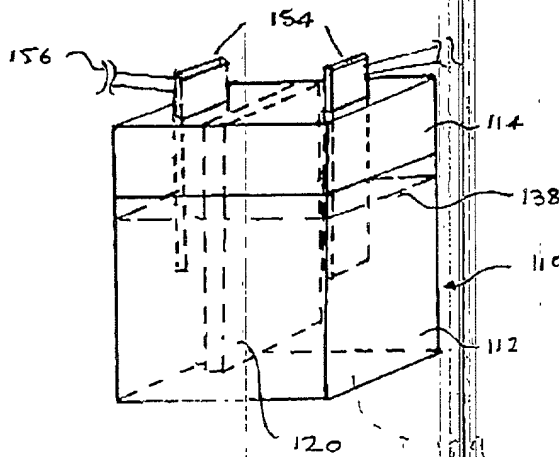
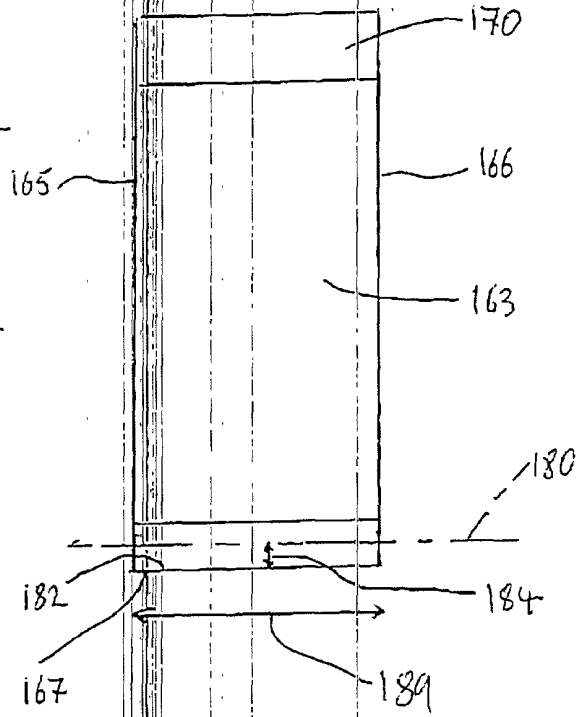
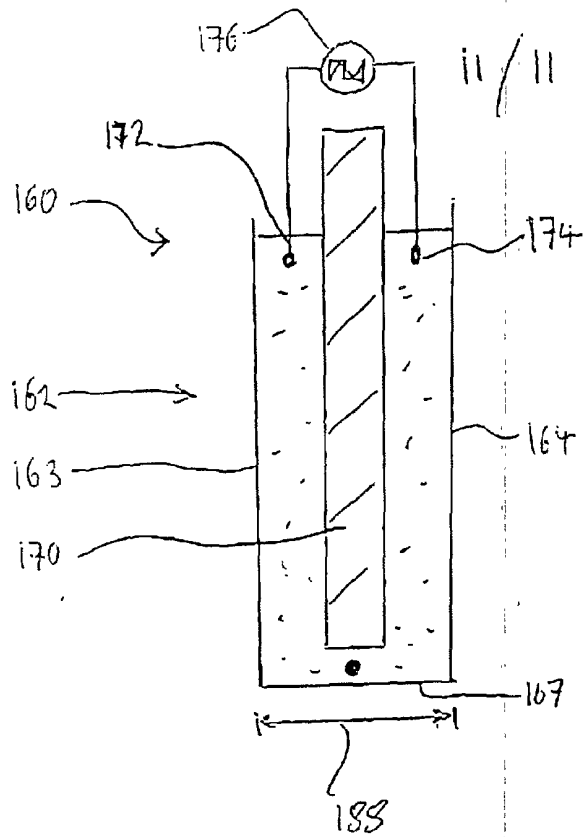


Figure 15

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